A flatmap atlas summarizing Rat nervous system development

Larry W. Swanson: Brain Maps 4.0
FATE: e10 (early neural tube)

ACTUAL: e9 (early neural plate; 2-3 somites)
**FATE:**
early e10 (three primary rhombomeres)
e12 (endbrain split to cortex & nuclei)

**ACTUAL:**
e9 (late neural plate; 5 somites)
FATE:  
e11 (limiting sulcus)  
e12 (interbrain differentiation)

ACTUAL:  
e10 (primary brain vesicles, secondary rhombomeres, ~17 somites)
**FATE:**

E12 (endbrain & thalamic differentiation)
e15 (rhombic lip differentiation)

**ACTUAL:**

e11 (limiting sulcus, early interbrain & midbrain differentiation)
**FATE:** e15 (pons & medulla differentiation, rhombic lip)

**ACTUAL:** e12 (endbrain & thalamic differentiation; rhombomeres disappear)
**FATE:** e15 (pons & medulla differentiation, rhombic lip)

**ACTUAL:** e13 (choroid plexuses from endbrain, interbrain, & medulla roofplates)
**FATE:**

- e15 (pons & medulla differentiation, rhombic lip)

**ACTUAL:**

- e14 (rapid growth of endbrain)
**FATE:** rapid expansion of cerebral cortex

**ACTUAL:** e15 (pons & medulla differentiation, rhombic lip)
FATE: adult configuration

ACTUAL: e17 (cerebellum differentiation)
FATE: aging, disease, injury

ACTUAL: adult